



Professional LEDlamps Catalogue



www.philips.com/masterledlamps
www.philips.com/led-product-info

PHILIPS

What's new in professional lighting?

Life without light is impossible to imagine. We've been using it for thousands of years, in ever-more sophisticated ways, to enhance our lives and illuminate our world.

Our solutions are light on the environment too. That's important for two reasons. Firstly, your customers want to use as little energy as possible in these times of rising energy prices and difficult economies. And secondly, they also want to save the planet from the effects of climate change to create a more sustainable world. With our lamps they can do both. Lighting technology has been totally revolutionised in the last 10 to 15 years. LED is becoming more influential in home lighting and is slowly transforming the way we think about light. We've been a pioneer in innovative lighting solutions, encouraging our experts to seek inspirational new ways to light our world.

They've risen to the challenge by developing solutions that combine energy efficiency and ease of use with exceptional quality of light. From miniaturised lamps that are beautifully discreet to those designed for a very specific purpose.

All our lamps comply with current legislation and have been designed to make choosing the right solution as easy as possible. And because life is complicated enough, we've made sure that technology never gets in the way.







innovation  you



Content overview

LEDlamps portfolio	4
Why choose Philips?	6
EU regulations for LEDlamps	8
Corporate social responsibility	10

Professional **LEDlamps**

 LEDspot	12
 LEDcapsule	22
 LEDbulb	26
 LEDcandle	30
 LEDlustre	34
 LEDtube	38

InstantFit LEDtubes - instantly efficient	44
DiamondSpark - breathtaking brilliance	45
LEDcontrol - saving with controlled lighting	46
AirFlux technology - innovation in the air	47
DimTone - unique dimming	47
High Performance dimming	48
TransforMax	48
Photometric diagrams	49

Professional MASTER LEDlamps overview

LEDspot



LEDspot



LEDcapsule



LEDbulb



LEDcandle



LEDlustre





600 mm



MASTER GA110 - P 40



900 mm



MASTER GA110 - P 40



1200 mm



MASTER GA110 - P 40



1500 mm



MASTER GA110 - P 40



1200 mm



MASTER Value - P 41



600 mm



MASTER PERFORMANCE - P 41



1200 mm



MASTER PERFORMANCE - P 41



1500 mm



MASTER PERFORMANCE - P 41



600 mm



CorePro LEDtube - P 42



1200 mm



CorePro LEDtube - P 5 42



1500 mm



CorePro LEDtube - P 42





Why **choose**
Philips

Best product

Our LEDlamps provide you with:

- **High quality of light:** consistency in colour of light ... and no unpleasant surprises in the application
- A uniform, directional beam of light ... and no waste of light in places where you don't want light
- Maximum transformer compatibility ... we designed a unique intelligent driver concept for low voltage LEDlamps, which enables broad compatibility with existing transformers
- High performance dimming ... enjoy smooth, flicker-free dimming with our MASTER LEDlamps. Compatible with all the major dimmer brands in the market.

Note: For the full dimmer and transformer compatibility list please visit:
www.philips.com/masterledlamps.

Best partner

Close cooperation with Philips before, during, and after projects:

"They really managed to satisfy our needs well. They really have cared a lot and showed a lot of commitment ..."

Technical consulting and intense customer support:

"Quick and competent responses to questions"

Close cooperation with local wholesalers was a key element of assuring on-time product availability:

"Philips is flexible to offer different delivery options"

Best portfolio

- Extensive portfolio ... we have **a lamp for every socket**
- Philips offers products for all fields in all different segments/ applications, from carpark to supermarket and from office to hotel lobby.

No.1
in LED
Lighting sales
Worldwide



Recent EU regulations related to lighting products

The European Union (EU) is issuing more and more regulations aimed at reducing energy consumption and the emission of greenhouse gases. At Philips we're committed to leading the lighting market in sustainability and fully support this strategy. These are the key changes in legislation for lighting.

Lighting performance and packaging

The EU Ecodesign directive 2009/125/EC for Energy-related Products (ErP) requires inefficient light sources to be phased out in accordance with regulations EC 244/2009 and EC 1194/2012. It also defines the minimum performance standards for their energy-saving alternatives. Since September 2013, the renewed Energy Efficiency Labeling directive has also come into force, introducing two new classes of energy efficiency: A+ and A++.

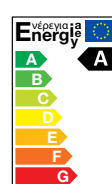
The most important changes since 1st of September 2013 are:

- For non-directional light sources that use halogen and compact fluorescent technology, the performance requirements have been tightened (stage 5 of regulation EU 244/2009)
- For directional light sources (reflector lamps), the EU regulation 1194/2012 has come into force.

This means that:

- The most energy-inefficient lamps will be banned. From September 2013, this affects incandescent reflector lamps of 75W and over, as well as low efficiency 12V Halogen 50W spots. As of September 2014, all other wattages in this category will follow.

- Extended consumer information is needed on the retail packaging, on the lamp itself, and on the brand's public website. This includes, for example, the lamp brightness, expressed in lumens within a 90° angle
Special purpose directional lamps are exempt
- For LEDlamps, EU 1194/2012 defines the minimum performance and functionality requirements both for directional and non-directional light sources
- The renewed Energy Efficiency Labeling directive 874/2012 comes into force. This introduces class A+/A++ in light of the ongoing evolution of LED technology. The scope of the labeling requirement now extends to all directional ("reflector") lamps and all 12V halogen lamps. In line with non-directional lamps, terms like 'energy saving' may only be used for directional lamps with energy class A or higher. This constraint applies to the packaging and all public websites.



Old



New

A+

Catalogue



Corporate **social** **responsibility**

Protecting the environment is something that we're passionate about and an integral part of the way we do business. To reduce the amount of energy our products use, and their CO₂ footprint, we invest in the most innovative, energy-efficient technologies. In fact, we were recognised as one of the top 50 greenest brands in the world by Interbrand (Best Global Green brands 2012).

We care about the things that go into our products too. Since July 1st 2006, the EU Directive on the Restriction of Hazardous Substances (RoHS) has regulated the use of certain materials in electrical and electronic equipment.

Choosing Philips guarantees compliance with all applicable laws. It also offers a wide range of possibilities with lamps that comply with the highest environmental standards.





LEDspot

Delivering a warm, halogen-like accent beam, MASTER LEDspot is a perfect fit for spot lighting (track, corridors, lift lobbies, display cases and cabinets) in the hospitality industry. It is particularly suitable to public areas where the light is on 24/7, such as lobbies, corridors, stairwells. These LEDspots are compatible with most existing fixtures with a GU10 holder and designed as a retrofit replacement for halogen or incandescent spots. The dimmable versions drive further efficiencies, while helping to create the desired atmosphere. For environments where the right atmosphere needs to be created (e.g. bars and restaurants), the “DimTone” feature could be useful. This is an LED feature that creates a warmer tone once light is dimmed down to lower intensities.

MASTER LEDspot



MV GU10 8-50 W DimTone
Page 14



MV GU10 8-50 W CRI
Page 14



MV GU10 8-50 W
Page 14



MV GU10 4-35 W
Page 15



MV GU10 5.5-50 W
Page 15



LV MR16 GU5.3 7-35 W
Page 16

NEW!



LV MR16 GU5.3 7-40 W
Page 16



LV MR16 GU5.3 10-50 W
Page 17



LV MR16 GU5.3 4/4.5-20 W
Page 17



LV MR11 GU4 4 W
Page 18



LV AR111 G53 10-50 W
Page 19



LV AR111 G53 15-75 W
Page 19



MV PAR 20 E27 6.5-50 W
Page 20



MV PAR 30S E27 9.5-75 W
Page 20



MV PAR 38 E27 14.5-100 W
Page 21



MV PAR 38 OD E27 17-90 W
Page 21



MASTER LEDspot MV

With our LEDspots Mains Voltage you can enjoy bright, energising light, at the same time as saving energy and money. Perfect for accent and general lighting. With DimTone the light gets warmer when dimmed. CRI90 gives you the best colour presentation (for retail applications).

- DimTone - see page 47
- High Performance Dimming - see page 48
- Longest lifetime
- Superior light quality
- Maximum energy savings



8-50 W DimTone



Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Colour temperature	EOC
MASTER LEDspot MV	W	W	lm	lm/W	cd	°		K	8718291
8-50W DimTone GU10 2700K 25D	8	50	410	51	1800	25	>80	2700	68243100
8-50W DimTone GU10 2700K 40D	8	50	410	51	900	40	>80	2700	68245500



8-50 W CRI90



Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Colour temperature	EOC
MASTER LEDspot MV	W	W	lm	lm/W	cd	°		K	8718291
D 8-50W CRI90 GU10 2700K 25D	8	50	320	40	1200	25	90	2700	68227100
D 8-50W CRI90 GU10 2700K 40D	8	50	320	40	600	40	90	2700	68229500



8-50 W



Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Colour temperature	EOC
MASTER LEDspot MV	W	W	lm	lm/W	cd	°		K	8718291
D 8-50W GU10 2700K 25D	8	50	410	51	1800	25	>80	2700	68231800
D 8-50W GU10 2700K 40D	8	50	410	51	900	40	>80	2700	68233200
D 8-50W GU10 3000K 25D	8	50	450	56	1900	25	>80	3000	68235600
D 8-50W GU10 3000K 40D	8	50	450	56	950	40	>80	3000	68237000
D 8-50W GU10 4000K 25D	8	50	460	58	1900	25	>80	4000	68239400
D 8-50W GU10 4000K 40D	8	50	460	58	950	40	>80	4000	68241700



4-35 W



2700 / 3000 / 4000



GU10



DIMMABLE



40,000 H

A⁺

10 PACK



25°



40°



55



50



90%

Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Colour temperature	EOC
MASTER LEDspot MV	W	W	lm	lm/W	cd	°		K	8718291
D 4-35W GU10 2700K 25D	4	35	235	59	900	25	>80	2700	69702200
D 4-35W GU10 2700K 40D	4	35	235	59	500	40	>80	2700	69704600
D 4-35W GU10 3000K 25D	4	35	250	63	1100	25	>80	3000	69706000
D 4-35W GU10 3000K 40D	4	35	250	63	600	40	>80	3000	69708400
D 4-35W GU10 4000K 25D	4	35	260	65	1100	25	>80	4000	69710700
D 4-35W GU10 4000K 40D	4	35	260	65	600	40	>80	4000	69712100



5.5-50 W



2700 / 3000 / 4000



GU10



DIMMABLE



40,000 H

A⁺

10 PACK



25°



40°



60°



55



50



89%

Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Colour temperature	EOC
MASTER LEDspot MV	W	W	lm	lm/W	cd	°		K	8718291
D 5.5-50W GU10 2700K 25D	5.5	50	350	64	1100	25	>80	2700	69714500
D 5.5-50W GU10 2700K 40D	5.5	50	350	64	800	40	>80	2700	69716900
D 5.5-50W GU10 2700K 60D	5.5	50	350	64	400	60	>80	2700	69718300
D 5.5-50W GU10 3000K 25D	5.5	50	375	68	1200	25	>80	3000	69720600
D 5.5-50W GU10 3000K 40D	5.5	50	375	68	850	40	>80	3000	69722000
D 5.5-50W GU10 3000K 60D	5.5	50	375	68	450	60	>80	3000	69724400
D 5.5-50W GU10 4000K 25D	5.5	50	385	70	1200	25	>80	4000	69726800
D 5.5-50W GU10 4000K 40D	5.5	50	385	70	850	40	>80	4000	69728200
D 5.5-50W GU10 4000K 60D	5.5	50	385	70	450	60	>80	4000	69730500

Please refer to the site www.philips.com/masterledlamps for the latest information about dimming MASTER LEDlamps.



MASTER LEDspot LV MR16

The robustly designed MASTER LEDspot offers a choice of beam angles for a clearly defined beam spread. There is no UV or IR in the beam, making it suitable for illuminating heat-sensitive objects (food, organic materials, paintings, etc.)

- AirFlux (35 W and 40 W) - see page 47
- TransforMax (excluding 20 W) - see page 48
- Dimmable
- Long lifetime
- Compatible with most commonly available halogen transformers. Exclusively suited for electronic transformers



7-35 W



Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Colour temperature	EOC
MASTER LEDspot LV	W	W	lm	lm/W	cd	°		K	8718291
D 7-35V 2700K MR16 24D	7	35	350	50	1950	24	>80	2700	65447600
D 7-35V 2700K MR16 36D	7	35	350	50	1050	36	>80	2700	65538100
D 7-35V 3000K MR16 24D	7	35	350	50	1950	24	>80	3000	65449000
D 7-35V 3000K MR16 36D	7	35	350	50	1050	36	>80	3000	65540400
D 7-35V 4000K MR16 24D	7	35	380	54	2050	24	>80	4000	65536700
D 7-35V 4000K MR16 36D	7	35	380	54	1100	36	>80	4000	65542800

NEW!



7-40 W



Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Colour temperature	EOC
MASTER LEDspot LV	W	W	lm	lm/W	cd	°		K	8718291
D 7-40V 2700K MR16 24D	7	40	470	67	2400	24	>80	2700	74135000
D 7-40V 2700K MR16 36D	7	40	455	65	1300	24	>80	2700	74139800
D 7-40V 3000K MR16 24D	7	40	485	69	2500	36	>80	3000	74137400
D 7-40V 3000K MR16 36D	7	40	470	67	1350	36	>80	3000	74141100

Please refer to the site www.philips.com/masterledlamps for the latest information about dimming MASTER LEDlamps.

Please refer to the site www.philips.com/masterledlamps for the latest information about transformer compatibility.



10-50 W



2700 / 3000 / 4000



GU5.3



DIMMABLE



30,000 H



EEL



10 PACK

24° A 36° A
BEAM ANGLE54 50
DIMENSIONS

80%

Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Color temperature	EOC
MASTER LEDspot LV	W	W	lm	lm/W	cd	°		K	8718291
D 10-50W 2700K MR16 24D	10	50	470	47	2720	24	>80	2700	21051100
D 10-50W 2700K MR16 36D	10	50	470	47	1500	36	>80	2700	21057300
D 10-50W 3000K MR16 24D	10	50	490	49	2840	24	>80	3000	21053500
D 10-50W 3000K MR16 36D	10	50	490	49	1560	36	>80	3000	21059700



4-20 W



3000 / 4000



GU5.3



NON-DIMMABLE



40,000 H

EEL
3000 K 4000 K

10 PACK

24° A 36° A
BEAM ANGLE47.8 50
DIMENSIONS

80%

Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Colour temperature	EOC
MASTER LEDspot LV	W	W	lm	lm/W	cd	°		K	8718291
4-20W 3000K MR16 24D	4	20	210	42	1100	24	>80	3000	19380700
4-20W 3000K MR16 36D	4	20	210	42	660	36	>80	3000	19226800
4-20W 4000K MR16 24D	4	20	225	45	1150	24	>80	4000	19228200
4-20W 4000K MR16 36D	4	20	225	45	700	36	>80	4000	19230500



4.5-20 W



2700



GU5.3



NON-DIMMABLE



40,000 H



EEL



10 PACK

24° A 36° A
BEAM ANGLE47.8 50
DIMENSIONS

78%

Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Colour temperature	EOC
MASTER LEDspot LV	W	W	lm	lm/W	cd	°		K	8718291
4.5-20W 2700K MR16 24D	4.5	20	207	41	1000	24	>80	2700	77236600
4.5-20W 2700K MR16 36D	4.5	20	207	41	600	36	>80	2700	77238000



MASTER LEDspot LV MR11

The MR11 spot truly enhances the presentation of silver jewellery, adding sparkle to the items on display.

- TransforMax - see page 48
- Long lifetime
- Clearly defined beam spread
- Compatible with most commonly available halogen transformers. Exclusively suited for electronic transformers



4W



2700



GU4



NON-DIMMABLE



25,000 H



EEL



12 PACK



BEAM ANGLE



DIMENSIONS



80%

Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Colour temperature	EOC
MASTER LEDspot LV	W	W	lm	lm/W	cd	°		K	8718291
4-20W GU4 2700K 24D	4	-	135	34	580	24	>80	2700	11923400





MASTER LEDspot LV AR111

These spots are dimmable and ideal for accent and general lighting.

- TransformMax - see page 48
- Dimmable
- Long lifetime



10-50 W



Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Colour temperature	EOC
MASTER LEDspot LV	W	W	lm	lm/W	cd	°		K	8718291
AR111 2700K 24D 10 W	10	50	610	61	3620	24	>80	2700	71846800
AR111 2700K 40D 10 W	10	50	580	58	1250	40	>80	2700	71850500
AR111 3000K 24D 10 W	10	50	645	65	3820	24	>80	3000	71848200
AR111 3000K 40D 10 W	10	50	610	61	1300	40	>80	3000	71852900



15-75 W



Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Colour temperature	EOC
MASTER LEDspot LV	W	W	lm	lm/W	cd	°		K	8718291
AR111 2700K 24D 15 W	15	75	800	53	4750	24	>80	2700	71854300
AR111 2700K 40D 15 W	15	75	760	51	1660	40	>80	2700	71858100
AR111 3000K 24D 15 W	15	75	840	56	4950	24	>80	3000	71856700
AR111 3000K 40D 15 W	15	75	800	53	1700	40	>80	3000	71860400

Please refer to the site www.philips.com/masterledlamps for the latest information about dimming MASTER LEDlamps.

Please refer to the site www.philips.com/masterledlamps for the latest information about transformer compatibility.



MASTER LEDspot MV PAR

With our LEDspots Mains Voltage you can enjoy bright, energising light, at the same time as saving energy and money. Perfect for task lighting.

- AirFlux (75 W and 100 W) - see page 47
- Longest lifetime
- For accent and general lighting
- Superior light quality
- Maximum energy savings
- PAR38 OD: outdoor IP65



6.5-50 W PAR20



Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Colour temperature	EOC
MASTER LEDspot MV	W	W	lm	lm/W	cd	°		K	8727900
D 6.5-50W 2700K PAR20 25D	6.5	50	410	63	1400	25	>80	2700	93398700
D 6.5-50W 2700K PAR20 40D	6.5	50	400	62	750	40	>80	2700	93406900
D 6.5-50W 3000K PAR20 25D	6.5	50	430	66	1450	25	>80	3000	93400700
D 6.5-50W 3000K PAR20 40D	6.5	50	420	65	780	40	>80	3000	93408300
D 6.5-50W 4000K PAR20 25D	6.5	50	440	67	1500	25	>80	4000	93402100
D 6.5-50W 4000K PAR20 40D	6.5	50	430	66	810	40	>80	4000	93410600



9.5-75 W PAR30S



Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Colour temperature	EOC
MASTER LEDspot MV	W	W	lm	lm/W	cd	°		K	8718291
D 9.5-50W 2700K PAR30S 25D	9.5	75	650	68	3500	25	>80	2700	71434700
D 9.5-50W 4000K PAR30S 25D	9.5	75	750	79	3850	25	>80	4000	71436100

Please refer to the site www.philips.com/masterledlamps for the latest information about dimming MASTER LEDlamps.



14.5-100 W PAR38



2700



E27



DIMMABLE



40,000 H



A



6 PACK

BEAM ANGLE
25°DIMENSIONS
136 121

85%



Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Colour temperature	EOC
MASTER LEDspot MV	W	W	lm	lm/W	cd	°		K	8718291
D 14.5-100W 2700K PAR38 25D	14.5	100	900	62	4700	25	>80	2700	71438500



17-90 W PAR38 OD



2700



E27



NON-DIMMABLE



25,000 H



EEL



6 PACK

BEAM ANGLE
25°DIMENSIONS
133 121.5

81%

Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Colour temperature	EOC
MASTER LEDspot MV	W	W	lm	lm/W	cd	°		K	8718291
D 17-90W 2700K PAR38 OD	17	90	780	46	3500	25	>80	2700	11931900



LEDcapsule

The MASTER LEDcapsules are a true alternative for the halogen capsule. They are particularly suitable for task lighting and decorative applications in homes, shops, hotels and restaurants. Compatible with existing fixtures with G4 holders and designed for retrofit replacement of halogen capsules, MASTER LEDcapsule delivers huge energy savings and minimises maintenance costs without any compromise on light quality. The patented intelligent driver in the 2.5-10 W version enables broad compatibility with existing electromagnetic and electronic halogen transformers.

MASTER LEDcapsule



LV G4 2.5-10W
Page 24



MASTER LEDcapsule LV

Our LEDcapsules provide crisp, sparkling halogen like light. They are especially suitable for task lighting and decorative applications.

- Long lifetime
- UV- and IR-free light for less heat and protection
- For heat-sensitive objects
- Unique sparkling effect



With lens Without lens

2.5-10 W



2700



G4



NON-DIMMABLE



25,000 H



EEL



12 PACK



BEAM ANGLE



49.8

DIMENSIONS With lens



40.2

DIMENSIONS Without lens



75%

Product type	LED	Traditional	Lumen output	Efficacy	Beam intensity	Beam angle	CRI	Colour temperature	EOC
MASTER LEDcapsule LV	W	W	lm	lm/W	cd	°		K	8718291
G4 2700K 2.5-10W	2.5	10	100	40	-	360	>80	2700	15535500

Please refer to the site www.philips.com/masterledlamps for the latest information about transformer compatibility.





LEDbulb

The MASTER LEDbulb range delivers a dimmable glow effect for a welcoming, warm atmosphere, making it ideal for general lighting applications in the hospitality industry. Its unique design radiates warm light in all directions, making it a true alternative to the incandescent lamp. They are particularly suitable for public areas such as lobbies, corridors, stairwells, where the light is always on. Thanks to High Performance Dimming you will enjoy smooth, flicker-free dimming. MASTER LEDlamps have been tested with all the major dimmer brands in the market.

MASTER LEDbulb



E27/B22 7-40 W
Page 28



E27/B22 8-40 W DimTone
Page 28



E27/B22 12-60 W
Page 28



E27/B22 13-75 W
Page 29



E27/B22 20-100 W
Page 29



MASTER LEDbulb

The MASTER LEDbulb range delivers a dimmable warm light effect for a welcoming, warm atmosphere, making it ideal for general lighting applications. With DimTone the light gets warmer when dimmed which is especially suited for hospitality applications.

- DimTone (for 8-40 W only) - see page 47
- High Performance Dimming - see page 48
- Longest lifetime
- Superior light quality
- Maximum energy savings



7-40 W



2700



E27



B22



DIMMABLE



25,000 H



EEL



6 PACK



BEAM ANGLE



DIMENSIONS E27



DIMENSIONS B22



82%

Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	Beam angle	CRI	Colour temperature	EOC
MASTER LEDbulb	W	W	lm	lm/W		°		K	8718291
D 7-40W E27 2700K	7	40	470	67	A60	>300	>80	2700	67196100
D 7-40W B22 2700K	7	40	470	67	A60	>300	>80	2700	67198500



8-40 W DimTone



2700



E27



B22



DIMTONE



DIMMABLE



25,000 H



EEL



6 PACK



BEAM ANGLE



DIMENSIONS E27



DIMENSIONS B22



80%

Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	Beam angle	CRI	Colour temperature	EOC
MASTER LEDbulb	W	W	lm	lm/W		°		K	8718291
D 8-40W DimTone E27 2700K	8	40	470	59	A60	>250	>80	2700	19200800
D 8-40W DimTone B22 2700K	8	40	470	59	A60	>250	>80	2700	19198800



12-60 W



2700



E27



B22



DIMMABLE



25,000 H



EEL



6 PACK



BEAM ANGLE



DIMENSIONS E27



DIMENSIONS B22



80%

Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	Beam angle	CRI	Colour temperature	EOC
MASTER LEDbulb	W	W	lm	lm/W		°		K	8718291
D 12-60W E27 2700K	12	60	806	67	A60	>340	>80	2700	67200500
D 12-60W B22 2700K	12	60	806	67	A60	>340	>80	2700	67202900



13-75 W



Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	Beam angle	CRI	Colour temperature	EOC
MASTER LEDbulb	W	W	lm	lm/W		°		K	8718291
D 13-75W E27 2700K	13	75	1055	81	A67	>300	>80	2700	66350800
D 13-75W B22 2700K	13	75	1055	81	A67	>300	>80	2700	66352200



20-100 W



Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	Beam angle	CRI	Colour temperature	EOC
MASTER LEDbulb	W	W	lm	lm/W		°		K	8718291
D 20-100W E27 2700K	20	100	1520	76	A67	>340	>80	2700	67192300
D 20-100W B22 2700K	20	100	1520	76	A67	>340	>80	2700	67194700

Please refer to the site www.philips.com/masterledlamps for the latest information about dimming MASTER LEDlamps.

A woman with dark hair, smiling and looking upwards, is the central figure. She is wearing a gold-colored, patterned top and large, ornate earrings. The background is a soft, out-of-focus bokeh of warm, golden-yellow lights, creating a dreamy and elegant atmosphere.

LEDcandle

Specially developed for chandeliers, we've upgraded our MASTER LEDcandle lamps to enhance the decorative and aesthetic appeal of luminaires - whether they are switched on or off. The new DiamondSpark lamps incorporate a revolutionary new shaped lens that allows the optics to radiate brilliant, clear and sparkling white LED light.

The improved light quality provides consistent colour from every angle – even when dimmed in the most intimate of ambiances. What's more, the new ivory lamp colour is the perfect match for existing luminaires. Add to that the classic slender shape and MASTER LEDcandles DiamondSpark will ensure the whole luminaire has breathtaking brilliance.

MASTER LEDcandle DiamondSpark



E14-B35 4-25 W
Page 32



E14-BA35 4-25 W
Page 32



B15-B35 / B22-B38 4-25 W
Page 32



E14-B39 6-40 W
Page 33



E14-BA39 6-40 W
Page 33



B22-B39 6-40 W
Page 33



MASTER LEDcandle DiamondSpark

Thanks to a revolutionary new lens design, these candles now produce the most beautiful sparkling light. The ivory-coloured design is a perfect match with existing luminaires.

- Dimmable
- DiamondSpark - see page 45
- Unique, eye-catching lens design
- Also available in a classic candle design
- Huge energy savings



4-25 W



2700



E14



DIMMABLE



20,000 H



A⁺

EEL



10 PACK



102.5 | 435.5 |
DIMENSIONS



84%

Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Colour temperature	EOC
MASTER LEDcandle	W	W	lm	lm/W			K	8718291
D 4-25W E14 2700K 230V B35 CL	4	25	250	63	B35	>80	2700	66985200



4-25 W



2700



E14



DIMMABLE



20,000 H



A⁺

EEL



10 PACK



106.5 | 435.5 |
DIMENSIONS



84%

Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Colour temperature	EOC
MASTER LEDcandle	W	W	lm	lm/W			K	8718291
D 4-25W E14 2700K 230V BA35 CL	4	25	250	63	BA35	>80	2700	66989000



4-25 W



2700



B15



B22



DIMMABLE



20,000 H



A⁺

EEL



10 PACK



100.5 | 435.5 |
DIMENSIONS B15



106 | 40 |
DIMENSIONS B22



84%

Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Colour temperature	EOC
MASTER LEDcandle	W	W	lm	lm/W			K	8718291
D 4-25W B15 2700K 230V B35 CL	4	25	250	63	B35	>80	2700	66983800
D 4-25W B22 2700K 230V B38 CL	4	25	250	63	B38	>80	2700	67001800

Please refer to the site www.philips.com/masterledlamps for the latest information about dimming MASTER LEDlamps.



NEW!



6-40 W



2700



E14



DIMMABLE



20,000 H

A⁺

10 PACK



DIMENSIONS



85%

Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Colour temperature	EOC
MASTER LEDcandle	W	W	lm	lm/W			K	8718291
D 6-40W E14 2700K 230V B39	6	40	470	78	B39	80	2700	74182400

NEW!



6-40 W



2700



E14



DIMMABLE



20,000 H

A⁺

10 PACK



DIMENSIONS



85%

Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Colour temperature	EOC
MASTER LEDcandle	W	W	lm	lm/W			K	8718291
D 6-40W E14 2700K 230V BA39	6	40	470	78	BA39	80	2700	74184800

NEW!



6-40 W



2700



B22



DIMMABLE



20,000 H

A⁺

10 PACK



DIMENSIONS



85%

Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Colour temperature	EOC
MASTER LEDcandle	W	W	lm	lm/W			K	8718291
D 6-40W B22 2700K 230V B39	6	40	470	78	B39	80	2700	74190900

LEDlustre

Specially developed for chandeliers, we've upgraded our MASTER LEDlustre lamps to enhance the decorative and aesthetic appeal of luminaires - whether they are switched on or off.

The new DiamondSpark lamps incorporate a revolutionary new shaped lens that allows the optics to radiate brilliant, clear and sparkling white LED light. The improved light quality provides consistent colour from every angle – even when dimmed in the most intimate of ambiances.

What's more, the new ivory lamp colour is the perfect match for existing luminaires. Add to that the classic slender shape and MASTER LEDlustres DiamondSpark will ensure the whole luminaire has breathtaking brilliance.

MASTER LEDlustre DiamondSpark



E14-P45 4-25 W
Page 36



E27-P45 4-25 W
Page 36



B22-P45 4-25 W
Page 36



E14-P48 6-40 W
Page 37



E27-P48 6-40 W
Page 37



MASTER LEDlustre DiamondSpark

Thanks to a revolutionary new lens design, these lustres now produce the most beautiful sparkling light. The ivory-coloured design is a perfect match with existing luminaires.

- DiamondSpark - see page 45
- Dimmable
- Unique, eye-catching lens design
- Huge energy savings



4-25 W



2700



E14



DIMMABLE



20,000 H



EEL



10 PACK



85



43.5

DIMENSIONS



84%

Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Colour temperature	EOC
MASTER LEDlustre	W	W	lm	lm/W			K	8718291
D 4-25W E14 2700K 230V P45 CL	4	25	250	63	P45	>80	2700	66991300



4-25 W



2700



E27



DIMMABLE



20,000 H



EEL



10 PACK



91.5



46.5

DIMENSIONS



84%

Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Colour temperature	EOC
MASTER LEDlustre	W	W	lm	lm/W			K	8718291
D 4-25W E27 2700K 230V P45 CL	4	25	250	63	P45	>80	2700	66995100



4-25 W



2700



B22



DIMMABLE



20,000 H



EEL



10 PACK



89



46.5

DIMENSIONS



84%

Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Colour temperature	EOC
MASTER LEDlustre	W	W	lm	lm/W			K	8718291
D 4-25W B22 2700K 230V P45 CL	4	25	250	63	P45	>80	2700	66999900

Please refer to the site www.philips.com/masterledlamps for the latest information about dimming MASTER LEDlamps.



NEW!



6-40 W



2700



E14



DIMMABLE



20,000 H

A⁺

EEL



10 PACK



DIMENSIONS



85%

Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Colour temperature	EOC
MASTER LEDlustre	W	W	lm	lm/W			K	8718291
D 6-40W E14 2700K 230V P48 CL	6	40	470	78	P48	80	2700	74186200

NEW!



6-40 W



2700



E27



DIMMABLE



20,000 H

A⁺

EEL



10 PACK



DIMENSIONS



85%

Product type	LED	Traditional	Lumen output	Efficacy	Bulb shape	CRI	Colour temperature	EOC
MASTER LEDlustre	W	W	lm	lm/W			K	8718291
D 6-40W E27 2700K 230V P48 CL	6	40	470	78	P48	80	2700	74186600

A woman with brown hair tied back, wearing a green and yellow patterned jacket and a colorful scarf, is looking upwards and to the right. The background is a blurred exhibition hall with various booths and people.

LEDtube

Being more energy-efficient, longer-lasting and mercury-free, LEDtubes offer clear sustainability benefits compared with conventional TL-D solutions. With simple lamp-for-lamp replacement, you can easily upgrade your current conventional TL-D fixture to LED. Philips has a proven track record of reliable LEDtube projects in challenging and safety-critical environments, such as underground metro systems and frozen-food storage spaces. Customers value our extensive experience and know-how across a wide variety of applications.

Our product portfolio has multiple LEDtubes to serve different customer needs - from customers looking for the lowest initial cost (CorePro range) to customers who want sustained value over lifetime (MASTER range).

MASTER LEDtube



GA110
Page 40



LEDcontrol
Page 40



Value
Page 41



Performance
Page 41

CorePro LEDtube



CorePro
Page 42



MASTER LEDtube

This product is the ideal solution for uplamping in general lighting applications

With simple lamp-for lamp replacement, you can easily upgrade your current conventional TL-D fixture to LED. By switching to LEDtubes, you can enjoy energy savings of up to 70% and reduced maintenance thanks to the extensive lifetime of up to 50,000 hours.

LEDcontrol

The Philips LEDcontrol automatically switches MASTER LEDtubes ON and OFF to give you light only when you need it. Combining the Philips MASTER LEDtube GA110 with the Philips LEDcontrol offers you a complete solution, resulting in significantly more energy savings and optimising your energy management.



GA110



Product type	LED	Traditional	Lumen output	Operation	Beam angle	CRI	Colour temperature	EOC 1 pcs (C)*	EOC 10 pcs (I)**
MASTER LEDtube GA110	W	W	lm		°		K	8718291	8718291
GA110 600mm	10	18	825	EM & Mains	140	85	4000	23868300	23876800
GA110 600mm	10	18	825	EM & Mains	140	85	6500	23870600	23878200
GA110 600mm ROT	10	18	825	EM & Mains	140	85	4000	n.a.	66233400
GA110 900mm	15	30	1250	EM & Mains	140	85	4000	23880500	23884300
GA110 900mm	15	30	1250	EM & Mains	140	85	6500	23882900	23886700
GA110 1200mm ROT	19	36	1650	EM & Mains	140	85	4000	n.a.	66235800
GA110 1500mm	24	58	2000	EM & Mains	140	85	4000	23860700	23848500
GA110 1500mm	24	58	2000	EM & Mains	140	85	6500	23862100	23850800
GA110 1500mm ROT	24	58	2000	EM & Mains	140	85	4000	n.a.	66237200

*) incl. EMP

**) excl. EMP



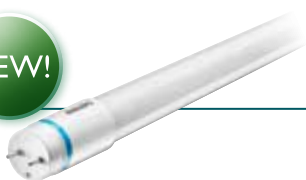
LEDcontrol

LEDcontrol - see page 46



DIMENSIONS (LEDcontrol)

Product type	EOC 10 pcs (I)		
Accessory for GA110	8718291	8718291	8718291
LEDcontrol - for 1200mm and 1500mm only	Office scene 69260704	Industry scene 76319200	Supermarket scene 76322200



Value - see page 44



Product type	LED	Traditional	Lumen output	Operation	Beam angle	CRI	Colour temperature	EOC 1 pcs (C)*	EOC 10 pcs (I)**
MASTER LEDtube Value	W	W	lm		°		K	8718291	8718291
Value 1200mm	16	36	1600	EM & Mains	140	85	4000	72828300	n.a.
Value 1200mm	16	36	1600	EM & Mains	140	85	6500	72830600	n.a.
Value 1200mm InstantFit	16.5	36	1600	HF	140	85	4000	72885600	n.a.
Value 1200mm InstantFit	16.5	36	1600	HF	140	85	6500	72887000	n.a.

*) incl. EMP

**) excl. EMP



Performance



Product type	LED	Traditional	Lumen output	Operation	Beam angle	CRI	Colour temperature	EOC 1 pcs (C)*	EOC 10 pcs (I)**
MASTER LEDtube Performance	W	W	lm		°		K	8718291	8718291
PERF 600mm	10.5	18	1050	EM & Mains	140	85	4000	23864500	n.a.
PERF 600mm	10.5	18	1050	EM & Mains	140	85	6500	23866900	n.a.
PERF 600mm ROT	10.5	18	950	EM & Mains	140	85	3000	n.a.	68143400
PERF 600mm ROT	10.5	18	1050	EM & Mains	140	85	4000	n.a.	66229700
PERF 1200mm	21	36	2100	EM & Mains	140	85	4000	23852200	n.a.
PERF 1200mm	21	36	2100	EM & Mains	140	85	6500	23854600	n.a.
PERF 1200mm ROT	21	36	1900	EM & Mains	140	85	3000	n.a.	68149600
PERF 1200mm ROT	21	36	2100	EM & Mains	140	85	4000	n.a.	66231000
PERF 1500mm	31	58	3100	EM & Mains	140	85	4000	69369700	n.a.
PERF 1500mm	31	58	3100	EM & Mains	140	85	6500	69006100	n.a.
PERF 1500mm ROT	31	58	2800	EM & Mains	140	85	4000	n.a.	69008500

*) incl. EMP

**) excl. EMP



Protection starter



Product type	EOC 10 pcs (I)
Accessory	8718291
EMP Protection starter	15720500

IP44 tested with IP66 rated endcaps



CorePro LEDtube

CorePro LEDtube is an affordable LED tube that is suitable for replacing T8 fluorescent lamps. This product is very suitable for cold rooms, back of house areas and car parks.



LEDtube



Product type	LED	Traditional	Lumen output	Operation	Beam angle	CRI	Colour temperature	EOC 1 pcs (C)*	EOC 10 pcs (C)**
CorePro LEDtube	W	W	lm		°		K	8718291	8718291
CorePro 600mm 840	10	18	800	EM & Mains	140	>80	4000	66971500	66963000
CorePro 600mm 865	10	18	800	EM & Mains	140	>80	6500	66973900	66965400
CorePro 1200mm 840	20	36	1600	EM & Mains	140	>80	4000	66967800	66959300
CorePro 1200mm 865	20	36	1600	EM & Mains	140	>80	6500	66969200	66961600
CorePro 1500mm 840	25	58	2000	EM & Mains	140	>80	4000	66979100	66975300
CorePro 1500mm 865	25	58	2000	EM & Mains	140	>80	6500	66981400	66977700

*) incl. EMP

**) excl. EMP



Protection starter



Product type	EOC 10 pcs (l)
Accessory	8718291
EMP Protection starter	15720500



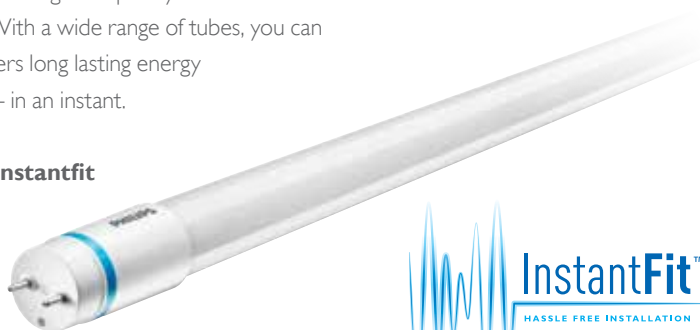


Instantly efficient, instantly sustainable

LED is rapidly replacing fluorescent tubes as a more sustainable light source – but none faster than Philips MASTER LEDtube Value InstantFit. Designed by the market-leading experts in LED, MASTER LEDtube Value InstantFit integrates an LED light source into a traditional tube form that's quick, easy and safe to install.

No wires to replace, no hassle changing drivers; InstantFit is a plug and play solution that works with High Frequency electronic ballast* and slots into existing fittings. With a wide range of tubes, you can now promise customers long lasting energy savings of up to 50% – in an instant.

www.philips.com/instantfit



*Different version required for electro-magnetic ballasts.

Breathtaking **brilliance**



Some interiors deserve the star treatment. Our new MASTER LEDcandles DiamondSpark will ensure they get it. The new ivory coloured lamp features a revolutionary lens design that radiates wonderfully warm, sparkling light and is specially developed for chandeliers. Perfect for creating an elegant ambience, and because they outperform conventional candle lamps on light performance and energy efficiency, you'll see dazzling savings too. The lamps have a long lifetime of 20,000 hours. Turn on the glamour with MASTER LEDcandles DiamondSpark. Best-in-class LEDs that bring luminaires to life with breathtaking brilliance.



Time your **saving** with **controlled** lighting

The Philips LEDcontrol automatically switches MASTER LEDtubes ON and OFF to give you light only when you need it.

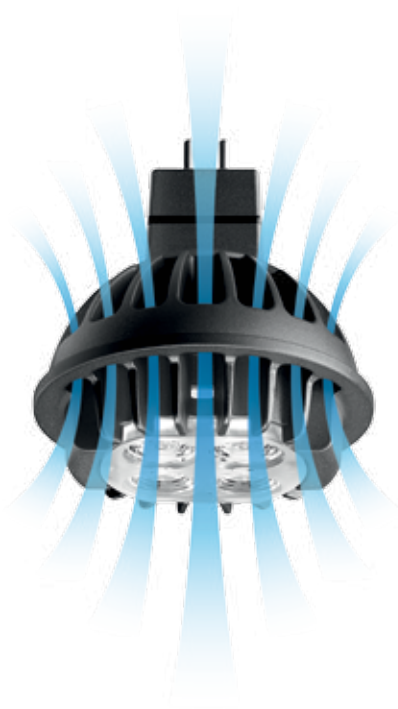
Combining the Philips MASTER LEDtube GA110 with the Philips LEDcontrol offers you a complete solution, resulting in significantly more energy savings and optimising your energy management.

We offer 3 pre-programmed standard scenes:	EOC codes 8718291
Office scene	69260704
Industry scene	76319200
Supermarket scene	76322200

There is a possibility to customise scenes by customer.

System type	EM system only
LEDcontrol	
Lamps	MASTER LEDtube GA110
Wattage	19-24 W (1200 & 1500 mm)
Lamp brands	Philips only
Voltage range	220-240 V~, 50 Hz
Battery	Integrated, 3V Lithium coin cell
Ambient operating temperature range	-30 °C to +45 °C at max. 90% relative humidity
Recommended storage temperature	0 °C to 30 °C (device temperature) - Max. 1 year at 25 °C at max. 90% relative humidity
Packaging	10 pieces in one box
Order quantity	Per 200 pieces

There's **innovation** in the air!



Airflux technology enables constant cooling of the LEDs ensuring the highest light quality and colour. AirFlux technology leaves more space for the best optical lenses (because the ventilator has been taken out). It ensures no shadowing effects, and a smooth, inclusion-free beam that high-end applications need.

- High Performance Dimming
- DimTone
- Longest lifetime
- Superior light quality
- Maximum energy savings



Unique '**DimTone**' dimming



The light gets warmer when dimmed
(from 2200 K to 2700 K)

DimTone takes LEDlamp dimming to an exciting new level, creating a pleasant, warm 'sunset' effect as the light is dimmed. Regular LEDlamp dimming reduces the intensity of the light output but not the colour temperature, which remains constant throughout the dimming process. And this is perfectly sufficient for many applications. But now, with DimTone, the colour temperature is also reduced as the lamp is dimmed. This creates a warm, intimate lighting effect at lower intensities, identical to the 'sunset' effect of a dimmed halogen or incandescent lamp. This means that hoteliers, bar and restaurant owners can now take advantage of energy-efficient LED lighting and still create a natural, cosy ambience when the light is dimmed.

High Performance Dimming

Thanks to High Performance Dimming you will enjoy smooth, flicker-free dimming. MASTER LEDlamps have been tested with all the major dimmer brands in the market.

- broad dimmer compatibility supporting a wide range of normal phase-cut dimmers: wall box dimmers, panels, plug-in unit phase-cut dimming
- high dimming performance: smooth dimming curve, deeper dimming level, one to multiple lamps

Note: To ensure high dimming performance with the MASTER LEDspot MV GU10 8 W these lamps should not be connected with other lamp types on the same dimmer ('mixed load').

TransforMax (patented)

First class halogen transformer compatibility thanks to intelligent electronics within low voltage LEDlamps

Philips designed a unique (patent protected) intelligent driver concept for low voltage (12 V) LEDlamps, which enables broad compatibility with existing electronic and electromagnetic Halogen transformers. Therefore, Philips low voltage (12 V) LEDlamps universally replace 12 V Halogen spot lamps with unique first class transformer compatible electronics.

This technology is called TransforMax which enables the lamp to work on most sockets – a simple 'plug & play' retrofit solution.

Without dimmer

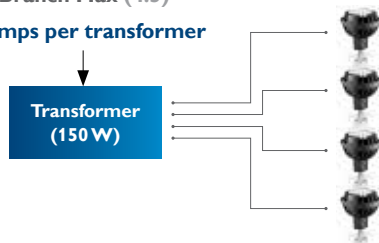
To estimate how many LEDlamps can be connected to an existing halogen transformer, the rated power of the transformer needs to be divided by the LEDlamp replacement Wattage.

For example there is a 150 W transformer available, and the MR16 7 W (replacing a 35 W halogen lamp) is going to be installed. The calculation in this case is as shown

$$\frac{\text{Transformer Rating (150 W)}}{\text{Equivalent Halogen (35 W)}}$$

=

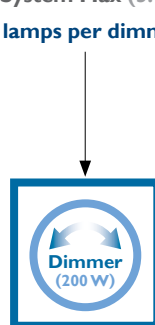
Branch Max (4.3)
4 lamps per transformer



$$\frac{\text{Dimmer Rating (200 W)}}{\text{Equivalent Halogen (35 W)}}$$

=

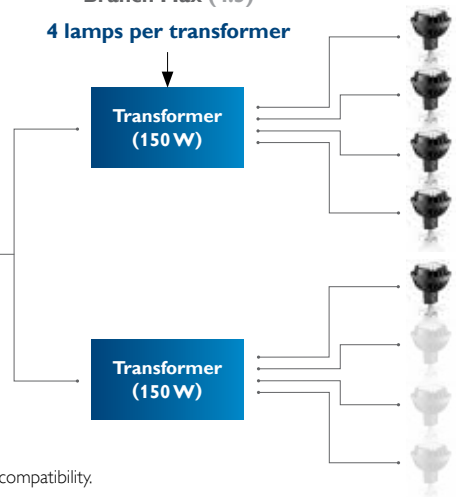
System Max (5.7)
5 lamps per dimmer



$$\frac{\text{Transformer Rating (150 W)}}{\text{Equivalent Halogen (35 W)}}$$

=

Branch Max (4.3)
4 lamps per transformer



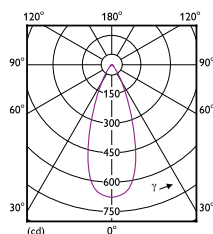
Please refer to the site www.philips.com/masterledlamps for the latest information about transformer compatibility.

Photometric diagrams

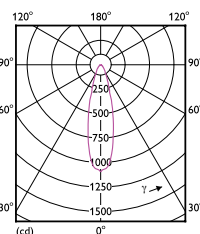
This is a selection of the photometric diagram visualisations. Please visit www.philips.com/led-product-info for photometric .ies files of all current products.



**MASTER
LEDspot MV**
Page 14 / 15



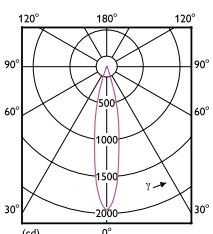
8-50W GU10 2700K 40D



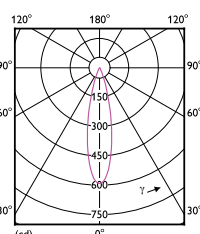
5.5-50W GU10 3000K 25D



**MASTER
LEDspot LV**
Page 16



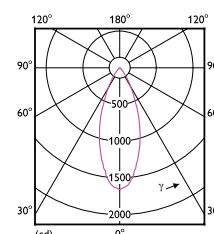
7-35W MR16 3000K 24D



7-40W MR16 3000K 24D



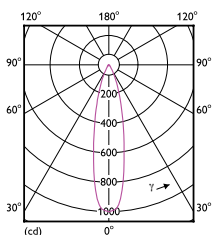
**MASTER
LEDspot AR111**
Page 19



15-75W AR111 3000K 40D



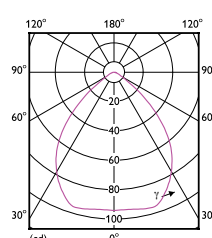
**MASTER
LEDspot MV PAR**
Page 20



6.5-50W PAR 20 2700K 25D



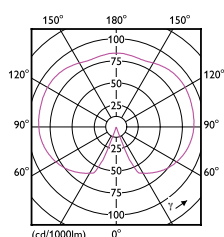
**MASTER
LEDcapsule**
Page 24



3W G4 2700K



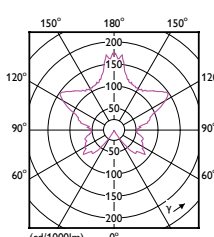
**MASTER
LEDbulb**
Page 29



13-75W E27 2700K



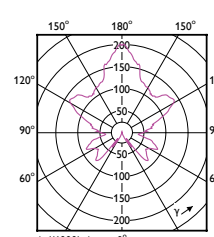
**MASTER
LEDcandle DiamondSpark**
Page 33



6-40W E14 2700K



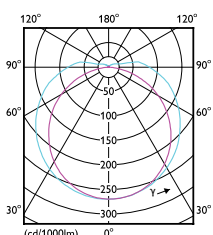
**MASTER
LEDlustre DiamondSpark**
Page 37



6-40W E27 2700K



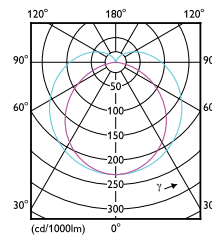
**MASTER
LEDtube Performance**
Page 41



31W G13 6500K



**CorePro
LEDtube**
Page 42



10W G13 6500K



©2014 Royal Philips N.V.
All rights reserved.

Data are subject to change.
02/2014



www.philips.com/led-product-info
www.philips.com/masterledlamps